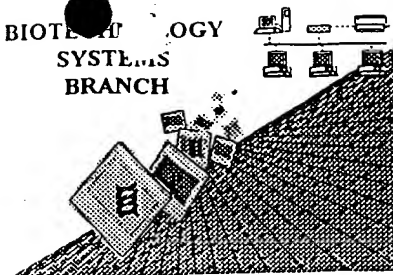


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



15
OCT 18 2001
TECH CENTER 1600/2900

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/327,700C

Source: 1633

Date Processed by STIC: 7/5/2001

RECEIVED

JUL 23 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

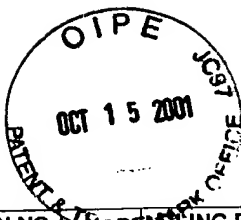
Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

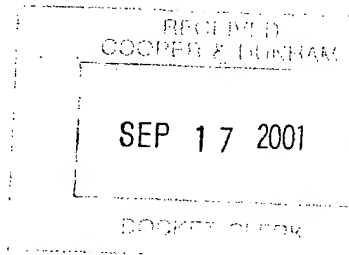


UNITED STATES DEPARTMENT OF COMMERCE *JPW*
Patent and Trademark Office

Address: ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

APPLICATION NO. / CONTROL NO.	TRADEMARK FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO. <i>0575/59131</i>
----------------------------------	-----------------------	---	--

9/7/01
in to Turkish: 10/7/2001
sequence list
SL Extension: 11/7/2001
SL Extension: 12/7/2001
SL Extension: 1/7/2002
SL Extension: 2/7/2002
SL Deadline: 3/7/2002



EXAMINER Jeanine Enewold Goldberg	
ART UNIT 1655	PAPER 16

DATE MAILED:

RECEIVED

OCT 18 2001

TECH CENTER 1600/2900

SNB
Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

The communication filed June 22, 2001 is not fully responsive to the Office communication mailed June 1, 2001 for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of **ONE (1) MONTH** from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner **Jeanine Enewold Goldberg**, Art Unit 1655, whose telephone number is (703) 306-5817.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

W. Gary Jones
Supervisory Patent Examiner
Technology Center 1600

Notice to Comply

Application No.

09/327,750

Examiner

Jeanine Enewold Goldberg

Applicant(s)

SATO, TAKA-AKI

Art Unit

1655

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/327,750 C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 ✓ Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

1633

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/327,750C

DATE: 07/05/2001
TIME: 12:58:15

Input Set : A:\ES.txt
Output Set: N:\CRF3\07032001\I327750C.raw

3 <110> APPLICANT: Sato, Taki-Aki
5 <120> TITLE OF INVENTION: GENE ENCODING NADE, P75NTR- ASSOCIATED CELL DEATH EXECUTOR
ND USES

6 THEREOF
8 <130> FILE REFERENCE: 0575/59131/JPW/APE
10 <140> CURRENT APPLICATION NUMBER: 09/327,750C
11 <141> CURRENT FILING DATE: 1999-06-07
13 <160> NUMBER OF SEQ ID NOS: 45
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 36
19 <212> TYPE: DNA
20 <213> ORGANISM: MOUSE
22 <400> SEQUENCE: 1
23 aattgtctac gcatccttat gggggagctg tctaac
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 12
28 <212> TYPE: PRT
29 <213> ORGANISM: MOUSE
31 <400> SEQUENCE: 2
33 Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn
34 1 5 10
36 <210> SEQ ID NO: 3
37 <211> LENGTH: 30
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <221> NAME/KEY: misc_feature
43 <222> LOCATION: (1)..(30)
44 <223> OTHER INFORMATION: Mouse Nade DNA
47 <400> SEQUENCE: 3
48 ctatgctagca tcatggtgag caagggcgag
51 <210> SEQ ID NO: 4
52 <211> LENGTH: 28
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: (1)..(28)
59 <223> OTHER INFORMATION: Mouse Nade DNA
62 <400> SEQUENCE: 4
63 ccgctcgagt cttgtacagc tcgtccat
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 29
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature

Does Not Comply
Corrected Diskette Needed

36

30

28

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/327,750C

DATE: 07/05/2001
TIME: 12:58:15

Input Set : A:\ES.txt
Output Set: N:\CRF3\07032001\I327750C.raw

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73 <222> LOCATION: (1)..(29)
74 <223> OTHER INFORMATION: Mouse Nade DNA
77 <400> SEQUENCE: 5
78 atcctcgagc gatcatggcc aatgtccac
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 27
83 <212> TYPE: DNA
-> 84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: ()..()
89 <223> OTHER INFORMATION: Mouse Nade DNA
92 <400> SEQUENCE: 6
93 atcggatcct ctcagctgta gctccct
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (1)..(27)
104 <223> OTHER INFORMATION: Mouse Nade DNA
107 <400> SEQUENCE: 7
108 atcggatccg atctctctca tctcctc
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 27
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (1)..(27)
119 <223> OTHER INFORMATION: Mouse Nade DNA
122 <400> SEQUENCE: 8
123 aaagcttagg gaggcacagc tgagaaa
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 27
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (1)..(27)
134 <223> OTHER INFORMATION: Mouse Nade DNA
137 <400> SEQUENCE: 9
138 tttctcagct gtgcctccct aagcttt
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 26
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/327,750C

DATE: 07/05/2001
TIME: 12:58:15

Input Set : A:\ES.txt
Output Set: N:\CRF3\07032001\I327750C.raw

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147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: (1)..(26)
149 <223> OTHER INFORMATION: Mouse Nade DNA
152 <400> SEQUENCE: 10
153 atccggagaa aggctagggga ggcaca
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 26
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: (1)..(26)
164 <223> OTHER INFORMATION: Mouse Nade DNA
167 <400> SEQUENCE: 11
168 tgtgcctccc tagcctttct ccggat
171 <210> SEQ ID NO: 12
172 <211> LENGTH: 124
173 <212> TYPE: PRT
174 <213> ORGANISM: MOUSE
176 <400> SEQUENCE: 12
178 Met Ala Asn Val His Gln Glu Asn Glu Glu Met Glu Gln Pro Leu Gln
179 1 5 10 15
181 Asn Gly Glu Glu Asp Arg Pro Val Gly Gly Glu Gly His Gln Pro
182 20 25 30
184 Ala Gly Asn Asn Asn Asn Asn His Asn His Asn His Asn His His
185 35 40 45
187 Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg Trp Ala Ile
188 50 55 60
190 Pro Asn Arg Gln Met Asn Asp Gly Leu Gly Gly Asp Gly Asp Asp Met
191 65 70 75 80
193 Glu Met Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys Leu Arg Glu
194 85 90 95
196 Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu Leu Ser Asn
197 100 105 110
199 His His Asp His His Asp Glu Phe Cys Leu Met Pro
200 115 120
202 <210> SEQ ID NO: 13
203 <211> LENGTH: 111
204 <212> TYPE: PRT
205 <213> ORGANISM: HUMAN
207 <400> SEQUENCE: 13
209 Met Ala Asn Ile His Gln Glu Asn Glu Glu Met Glu Gln Pro Met Gln
210 1 5 10 15
212 Asn Gly Glu Glu Asp Arg Pro Leu Gly Gly Gly Glu Gly His Gln Pro
213 20 25 30
215 Ala Gly Asn Arg Arg Gly Gln Ala Arg Arg Leu Ala Pro Asn Phe Arg
216 35 40 45
218 Trp Ala Ile Pro Asn Arg Gln Ile Asn Asp Gly Met Gly Gly Asp Gly
219 50 55 60

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RAW SEQUENCE LISTING

DATE: 07/05/2001

PATENT APPLICATION: US/09/327,750C

TIME: 12:58:15

Input Set : A:\ES.txt

Output Set: N:\CRF3\07032001\I327750C.raw

221 Asp Asp Met Glu Ile Phe Met Glu Glu Met Arg Glu Ile Arg Arg Lys
 222 65 70 75 80
 224 Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu Arg Ile Leu Met Gly Glu
 225 85 90 95
 227 Leu Ser Asn His His Asp His His Asp Glu Phe Cys Leu Met Pro
 228 100 105 110
 230 <210> SEQ ID NO: 14
 231 <211> LENGTH: 13
 232 <212> TYPE: PRT
 233 <213> ORGANISM: czyxin
 235 <400> SEQUENCE: 14
 237 Leu Thr Met Lys Glu Val Glu Glu Leu Glu Leu Leu Thr
 238 1 5 10
 240 <210> SEQ ID NO: 15
 241 <211> LENGTH: 13
 242 <212> TYPE: PRT
 243 <213> ORGANISM: MAPKK
 245 <400> SEQUENCE: 15
 247 Ala Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu
 248 1 5 10
 250 <210> SEQ ID NO: 16
 251 <211> LENGTH: 10
 252 <212> TYPE: PRT
 253 <213> ORGANISM: PKI-alpha
 255 <400> SEQUENCE: 16
 257 Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
 258 1 5 10
 260 <210> SEQ ID NO: 17
 261 <211> LENGTH: 9
 262 <212> TYPE: PRT
 263 <213> ORGANISM: TF III A
 265 <400> SEQUENCE: 17
 267 Leu Pro Val Leu Glu Asn Leu Thr Leu
 268 1 5
 270 <210> SEQ ID NO: 18
 271 <211> LENGTH: 9
 272 <212> TYPE: PRT
 273 <213> ORGANISM: Rev HIV-1
 275 <400> SEQUENCE: 18
 277 Leu Pro Pro Leu Glu Arg Leu Thr Leu
 278 1 5
 280 <210> SEQ ID NO: 19
 281 <211> LENGTH: 12
 282 <212> TYPE: PRT
 283 <213> ORGANISM: Ran BP1
 285 <400> SEQUENCE: 19
 287 Lys Val Ala Glu Lys Leu Glu Ala Leu Ser Val Arg
 288 1 5 10
 290 <210> SEQ ID NO: 20

see item # 10 on
ERROR SUMMARY SHEET

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/327,750C

DATE: 07/05/2001
TIME: 12:58:15

Input Set : A:\ES.txt
Output Set: N:\CRF3\07032001\I327750C.raw

291 <211> LENGTH: 13
292 <212> TYPE: PRT
293 <213> ORGANISM: FMRP
295 <400> SEQUENCE: 20
297 Glu Val Asp Gln Leu Arg Leu Glu Arg Leu Gln Ile Asp
298 1 5 10
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 8
302 <212> TYPE: PRT
303 <213> ORGANISM: Gle 1 — see page 4
305 <400> SEQUENCE: 21
307 Leu Pro Leu Gly Lys Leu Thr Leu
308 1 5
310 <210> SEQ ID NO: 22
311 <211> LENGTH: 14
312 <212> TYPE: PRT
313 <213> ORGANISM: Rex HTLV-1
315 <400> SEQUENCE: 22
317 Ala Leu Ser Ala Gln Leu Tyr Ser Ser Leu Ser Leu Asp Ser
318 1 5 10
320 <210> SEQ ID NO: 23
321 <211> LENGTH: 13
322 <212> TYPE: PRT
323 <213> ORGANISM: human NADE
325 <400> SEQUENCE: 23
327 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
328 1 5 10
330 <210> SEQ ID NO: 24
331 <211> LENGTH: 13
332 <212> TYPE: PRT
333 <213> ORGANISM: mouse NADE
335 <400> SEQUENCE: 24
337 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg
338 1 5 10
340 <210> SEQ ID NO: 25
341 <211> LENGTH: 27
342 <212> TYPE: PRT
343 <213> ORGANISM: MOUSE
345 <400> SEQUENCE: 25
347 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu
348 1 5 10 15
350 Arg Ile Leu Met Gly Glu Leu Ser Asn His His
351 20 25
353 <210> SEQ ID NO: 26
354 <211> LENGTH: 27
355 <212> TYPE: PRT
356 <213> ORGANISM: HUMAN
358 <400> SEQUENCE: 26
360 Arg Glu Ile Arg Arg Lys Leu Arg Glu Leu Gln Leu Arg Asn Cys Leu

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/327,750C

DATE: 07/05/2001

TIME: 12:58:16

Input Set : A:\ES.txt

Output Set: N:\CRF3\07032001\I327750C.raw

84 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6